Amendments to the Claims:

Please amend claims 19-23 as shown in the following listing of claims. This listing of claims will replace all prior versions and listings of claims in the application:

1-18. (cancelled)

19. (currently amended) An integrated circuit communication device configured for operation over a multi-pair transmission channel, the communication device comprising:

a decoder circuit for receiving and decoding at least one intersymbol interference (ISI) compensated signal sample, and generating tentative decisions and a final decision; and

a decision feedback equalizer coupled in feedback fashion to the decoder circuit, the decision feedback equalizer including a set of low-ordered coefficients and a set of high-ordered coefficients, the decision feedback equalizer generating a first portion of ISI compensation ~~for the second ISI compensation for the second ISI component~~ based on the tentative decisions and the high-ordered coefficients.

20. (currently amended) The integrated circuit communication device according to claim 19, ~~wherein the decision feedback sequence estimation circuit further comprises~~ further comprising a convolution engine coupled to the decision feedback equalizer to receive values of the low-ordered coefficients, the convolution engine computing a set of pre-computed values representing a set of potential second ISI compensation portions ~~for the second ISI component~~.

21. (currently amended) The integrated circuit communication device according to claim 20, wherein a first digital signal is combined with the first portion of ISI compensation to produce a second digital signal partially compensated for ~~the second~~ ISI ~~component~~.

22. (currently amended) The integrated circuit communication device according to claim 21, ~~wherein the decision feedback sequence estimation circuit further comprises~~ further comprising a multiple decision feedback equalizer coupled to the decision feedback equalizer and the

convolution engine, the multiple decision feedback equalizer combining the set of pre-computed values with the second digital signal to produce a set of potential digital signals, one of the potential digital signals being substantially compensated for ~~the second~~ ISI ~~component~~.

23. (currently amended) The integrated circuit communication device according to claim 22, ~~wherein the first ISI component represents ISI introduced by a remote transmission device, and~~ wherein the decision feedback equalizer compensates for ~~second ISI component represents~~ ISI introduced by transmission channel characteristics.

24-159. (cancelled)

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